

FOREIGN DOCUMENTS DIVISION

FDD NOTICE
No. 7-55

3 June 1955

SUBJECT: Test Alert (Evacuation)

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1. There will be a Civil Defense Test exercise designated as "Operation Alert 1955" held on 15 and 16 June 1955. Second floor [] personnel will participate only in the exercise held on 15 June 1955.

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2. Upon sounding of signal for air raid evacuation at 1205, 15 June (a continuous blast on sirens and horns lasting for 5 minutes and in an actual alert indicates that evacuation of the city as been ordered), all personnel in second floor [] after securing their material and area, will leave the building for the [] parking area at end of [] using the following stairwells:

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Personnel in the Headhouse of 1st and 2d wing ending at the steps outside of the Administration Office, and those in the 1st and 2d Wings will leave by stairwell #1 (Guard's desk).

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All other personnel on the 2d floor will leave by stairwell #2 between the 3d and 4th Wings in the Headhouse area.

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3. Wing wardens will have the same duties for this exercise as contained in the present Building Emergency Plan for air raids.

4. Personnel will remain in the parking area until notified of the completion of the exercise by a signal from the Administrative Officer (a whistle blown 3 times) at which time they will reenter the building through the regular stairway (at Guard's desk) to resume their normal duties.

5. A second alert will be sounded at 1405 on 15 June 1955 which will be a "take cover" signal (a fluctuating sound on sirens lasting 3 minutes). No action will be taken on this exercise by 2d floor [] personnel.

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6. The 2d floor [] Emergency Plan is being revised to include a plan for air raid evacuation (by automobile) and will be distributed at a later date.

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J. J. BAGNALL
Chief, Foreign Documents Division

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FOREIGN DOCUMENTS DIVISION

FDD NOTICE
No. 6-55

4 April 1955

SUBJECT: Guide to Selection of Material for the FDD Monthly Scheduled Report
Science News Items

1. Science News Items is designed to provide coverage of news on recent scientific developments in the USSR, Orbit countries, and Yugoslavia contained in the current foreign language press and other publications. It is the major vehicle through which FDD presents scientific information contained in non-scientific publications.

2. The following is a list of categories of information required:

a. Specific information on scientific organizations and personalities.

- (1) Research plans of academies of sciences
- (2) New organizations
- (3) New identifications of scientists and institutions
- (4) New assignments and reassessments of scientists
- (5) Nominations and elections of scientists to academies of sciences
- (6) Awards and prizes
- (7) Biographies of scientists
- (8) Deaths of scientists

b. Information on scientific periodicals particularly issuance of new scientific and technical periodicals, termination of old periodicals, and important documentation changes (periodicity etc.) in current periodicals.

c. Scientific graphics material, particularly recent photos of scientists, places, or new equipment.

d. Orbit scientific conferences and orbit scientific cooperation and exchange of experience. (Note: International conferences are reported in FDD Selected Briefs From the International Press).

e. Reviews of newly published USSR scientific and technical books.

3. The following is a list of subject information required:

a. Specific data in the physical and mathematical sciences

- (1) Nuclear weapon data
- (2) Defense against nuclear weapons
- (3) Data on solid state physics (infrared, semiconductor, low temperature and ultrasonic research)

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(4) Data on very accurate physical measurements, for example, measurements made during a solar eclipse.

b. Specific data in the chemical sciences

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(2) Research on Rocket fuels and propellants
 (3) New pharmaceuticals, drugs, and antibiotics (so-called wonder drugs)
 (4) Unusually toxic compounds
 (5) Chemistry of Radioactive elements and compounds.
 (Neptunium, Plutonium, Americium, Curium, Berklium, Californium)
 (6) Chemistry of rare metals

c. Specific technical data on metals. Highly heat-resistant metals and alloys. (capable of sustaining temperatures above 2,000° centigrade or 3,600° Fahrenheit); these are iridium, tantalum, molybdenum, tungsten, graphite, beryllium oxide, magnesium oxide, zirconium oxide, thorium oxide, tungsten carbide, titanium carbide, tantalum carbide, hafnium carbide. All of the foregoing have melting points of 2,500° centigrade or higher. Hafnium carbide, for instance has a melting point of 3,900° centigrade. Also noteworthy in this connection are barium, cerium and uranium sulfides and tungsten, molybdenum, niobium, tantalum, zirconium and titanium borides.

d. Specific data on earth sciences.

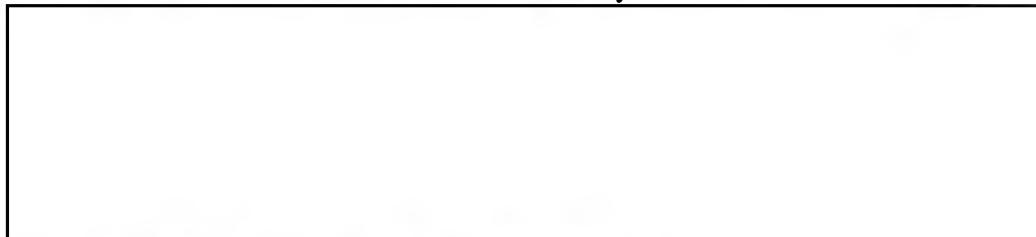
(1) Aerial mapping and photogrammetry (measurement of ground distances using aerial photography)
 (2) Geophysical techniques for prospecting for minerals
 (Sometimes aircraft with specialized instruments are used for this purpose)
 (3) Prospecting for Thorium and Uranium
 (4) Long-range weather and ice forecasting
 (5) Upper atmosphere studies (ionosphere, troposphere)

e. Specific data in biology (Biological warfare data, predominantly anti-plant)

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f. Specific data on medical sciences (Biological warfare data, anti-man and animal; and radiological warfare)



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- (2) Radioactive injury and treatment
- (3) Research on new serums, vaccines, and antitoxins
- (4) New medical treatment

g. Specific data on electronic development

- (1) Radiowave propagation in the ionosphere
- (2) Electronic components (i.e., for frequencies higher than 300 Mc, wavelengths shorter than 1 meter) - especially antennas, waveguides, coaxial cables, magnetrons, klystrons, and traveling-wave tubes.
- (3) Other component and materials - especially vacuum tubes, transistors, printed circuits, miniaturized parts, ceramics. (Note: Production of miniaturized parts in hearing aids sometimes indicate capabilities for production of electronic equipment useful in guided missiles)
- (4) Radar and electronic navigation aids
- (5) Measuring and test equipment - especially harmonic analyzers, signal generators, oscilloscopes, and wave-meters.
- (6) New developments in magnetic recording, microphones, and sound detection devices.
- (7) New technical developments in wire broadcasting and television.

h. Specific data on engineering

- (1) Atomic power plants
- (2) Atomic engines
- (3) Super-high voltage systems (above 200 kilovolts)
- (4) Automation (Automatic control)
- (5) Miniature batteries and power sources
- (6) High-speed wind tunnel data (for speeds greater than Mach 1, i.e. 760 miles per hour)
- (7) Heat exchangers (used in atomic energy systems)
- (8) Underground gasification of coal (Burning low-grade coal underground and collecting the gases for the chemical industry)
- (9) Research on secondary recovery of petroleum (flooding, etc.)

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1. Data on unidentified flying objects (flying saucers) and unconventional weapons.
4. Submit items on 5 x 8 sheets; dateline should follow text in parenthesis.
5. Please address any questions to the coordinator, F. W. Bancroft, ext. 2726.

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Distribution:
Area Branch personnel

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